Module completeness

1

0.5

0

M00897 M00898 M00143 M00072 M00118 M00433 M00026 M00030 M00912 M00102 M00055 M00065 M00095 M00028 M00048 M00868 M00099 M00570 M00019 M00094 M00972 M00970 M00913 M00899 M00880 M00855 M00854 M00549 M00141 M00134 M00119 M00100 M00093 M00091 M00088 M00086 M00083 M00082 M00073 M00053 M00052 M00050 M00049 M00027 M00023 M00007 M00006 M00005 M00004 M00003 M00001 M00002 M00892 M00034 M00089 M00432 M00621 M00367 M00035 M00025 M00044 M00176 M00022 M00844 M00344 M00015 M00338 M00074 M00017 M00849 M00345 M00120 M00090 M00010 M00087 M00535 M00911 M00036 M00546 M00038 M00011 M00165 M00012 M00018 M00126 M00846 M00029 M00013 M00938 M00632 M00630 M00121 M00926 M00009 M00101 M00170 M00374 M00020 M00092 M00135 M00024 M00615 M00051 M00137 M00173 M00909 M00033 M00114 M00861 M00058 M00883 M00572 M00368 M00346 M00140 M00124 M00046 M00085 M00917 M00526 M00840 M00040 M00910 M00841 M00842 M00843 M00125 M00098 M00552 M00171 M00845 M00873 M00021 M00115 M00554 M00066 M00037 M00042 M00975 M00961 M00884 M00882 M00881 M00580 M00579 M00415 M00365 M00964 M00169 M00168 M00133 M00008 M00130 M00366 M00532 M00014 M00128 M00123 M00129 M00959 M00531 M00916 M00081 M00914 M00527 M00878 M00872 M00308 M00172 M00079 M00131 M00936 M00976 M00596 M00016 M00525 M00957 M00953 M00357 M00939 M00568 M00974 M00661 M00950 M00573 M00577 M00039 M00740 M00609 M00032 M00565 M00374 M00377 M00956 M00929 M00078 M00622 M00113 M00096 M00376 M00117 M00373 M00063 M00148 M00077 M00076 M00104 M00375 M00937 M00969 M00132 M00307

Sporothrix_euskadiensis_VPRI43754
Sporothrix_pseudoabietina_VPRI43531
Sporothrix_varieibatus_CBS121961
Sporothrix_protearum_CBS116654
Sporothrix_humicola_CBS118129
Sporothrix_pallida_CBS13156
Sporothrix_mexicana_CBS120341
Sporothrix_brasiliensis_5110
Sporothrix_schenckii_1099
Sporothrix_globosa_CBS120340
Sporothrix_luriei_CBS93772
Sporothrix_phasma_CBS119721
Sporothrix_dimorphospora_CBS55374
Sporothrix_inflata_CBS23968
Sporothrix_bragantina_CBS47491
Sporothrix_curviconia_CBS95973
Sporothrix_thermara_CBS139747MAG
Sporothrix_epigloea_CBS57363
Sporothrix_epigloea_TF4163
Sporothrix_epigloea_CBS119000
Sporothrix_eucalyptigena_CBS139899
Sporothrix_eucalyptigena_CBS140593
Sporothrix_nigrograna_VPRI43755
Ophiostoma_novoulmi_H327
Ophiostoma_ips_VPRI43529
Sporothrix_brunneoviolacea_CBS124561
Ophiostoma_fasciatum_VPRI43845
Sporothrix_insectorum_RCEF264
Leptographium_lundbergii_CBS138716

tmpthiaminetpp thiamine pyridoxalp plants nad air

ubiquinone proteinflavoprotein nadh mitochondria fes dehydrogenase complex

oligosaccharyltransferase nglycosylation

ergocalciferol core aminoadipate aaa
precursor oxoadipate oligosaccharide nglycan gpianchor glutamate fpp ergosterolergocalciferol
lysine oxoglutarate nad histidine glutathione tryptophan quinolinate prpp

adpgdpcdpudp adpatp adenine acylcoa acetylcoa acetoacetatehydroxybutyrateacetone
heme glycolysis glycine glutamate glucosep fatty cofactor acid animals
pyruvate phase pc oxobutanoate molybdenum methionine isoprenoid
glycogen eukaryotes tryptophan sphingosine salvage ribose
ribonucleotide prpp proline pe ornithine isoleucine imp
p phosphate pentose pantothenate glucose

erythrosep assimilatory assimilation
phosphoenolpyruvate ornithine monophosphate hs hpp homogentisate formaldehyde
tyrosine sulfate chorismate arginine xylulose shikimate reduction

proline cysteine serine homocysteine glutamate

aspartate archaea acetylcoa acetoacetate
formaldehyde first cycle coenzyme coa citrate choline carbon c betaoxidation assimilation
monophosphate mevalonate isoprenoid isoleucine homoserine highmannose gtp fungi
phosphatidylcholine pantothenate oxoglutarate oxobutanoate oxidation oxaloacetate nglycan
pc methionine leucine urea type ribulose riboflavinfmnfad riboflavin pyruvate purine

carboxykinase carbon calvin aspartate aminomuconate alphadglucosep acetylcoa
glyoxylate glycerol glutamate fpp fatty dttp deoxyribonucleotide coproporphyrin cdicarboxylic
oxaloacetate mitochondria metabolism malonate leloir kynurenine krebs iii homoserine gtp
galactose fungi dgalacturonate citrate cholesterol bacteria acid oxidation
cycle heme tryptophan threonine siroheme glutamyltrna

serine pe phosphatidylethanolamine glyceratep ethanolamine

phenylalanine gaba putrescine phenylpyruvate eukaryotes chorismate

nitrate assimilation

animals amp aminoisobutanoate adenine
campesterolsitosterol biocbioh bh betaoxidation betaalanine assimilation arnonbuchanan
elongation dihydrolipoylh dihydrolipoyle dehydrogenase de dap cunit citrate
ectoine cycle chorismate bacteria aspartate ascorbate arogenate acid
pyridoxalp prokaryotes plants pimeloylacp mediated lysine ethylene
gtp phenylalanine tyrosine thf tetrahydrofolate pyrimidine

acetylcitrulline acetate
aspartate amaranthin agmatine adrenaline acylglycerol acetyltransferaseacetate acetylcoa
archaea animals dihydrolipoyle de dark cycle cdicarboxylic catecholamine betacyanin
fatty eukaryotes dgalactonate cysteine crassulacean cam betaine
bacteria arginine pyruvate plants p octanoylacp melatonin insp
acid phosphate nad metabolism lipoic isoprenoid cc

biotin ascorbate urate ribonucleotide pimeloylacpcoa guanine gmp glucosep animals

pyridoxalp nitrate rp reduction glyceraldehydep glutamine assimilatory ammonia

bacteria archaea aminotransferase acetyldap acetylcoasuccinylcoa acetate
dissimilatory dihydrotestosterone dap cycle csteroid core coenzyme coa cdicarboxylic
hormone glyceratep glutarate gluconate epihydroxymugineic enzyme entnerdoudoroff
methane metabolism mannose malic m llysine keratan inositol hydroxypropanoate hs
lysine sulfate aspartate acid type melatonin insp catechol

biou bioi bicycle bacteria animals acid acetylcoa acetoacetylcoa
ga fumarate ethylmalonyl dicarboxylatehydroxybutyrate dglucose cmpkdo chorismate c biow
isoprenoid indoleglycerol hydroxypropionate heparan glycine gibberellin ggpp geranylgeranylpp
cycle betaine methylaspartate methionine metabolism longchainacylacp llysine jasmonic
biotin lysine trehalose paspaline nicotinate monolignol cysteine

cycle chondroitin cholesterol cholatechenodeoxycholate bile b acid
malonylcoa insp inositol hydroxypropionatehydroxybutylate farnesylpp dermatan dehydrogenase
sulfate fumagillin aflatoxin ubiquinone succinate phytate phosphate metabolism

pyruvate oxidation acetylcoa